

CORRECTED VERSION

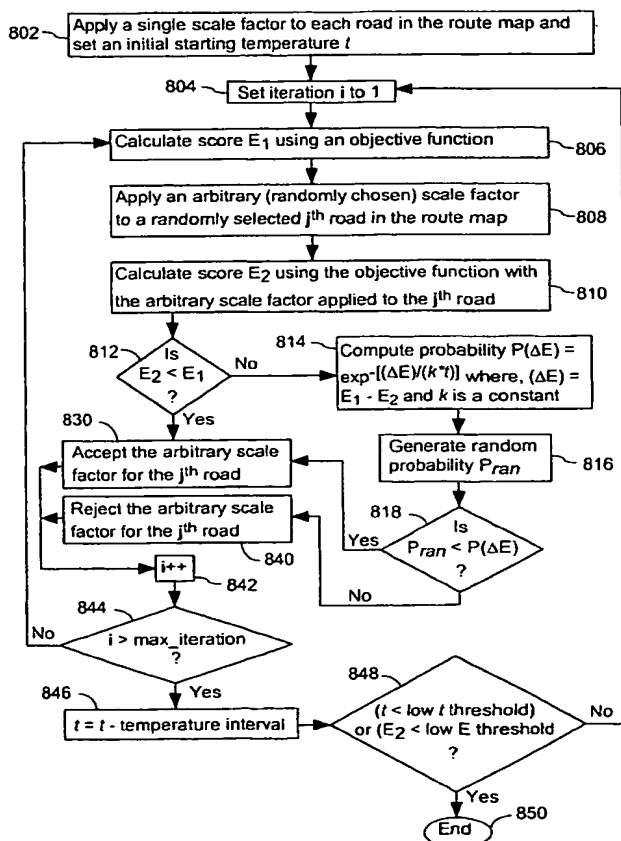
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(54) Title: **SYSTEM AND METHOD FOR ABSTRACTING AND VISUALIZING A ROUTE MAP**

(57) Abstract: A system and method for making computer-generated maps includes a different scale factor for each road in a route (Steps 802-850). The scale factors are used to optimize the route map against a target function. The display of the route map is optimized using fitting a collection of reference points with a probability function that is used to rotate the displayed route map. Display optimization further includes splitting route maps into separate segment maps.

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